

PROCESSING COPY

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

C-O-N-F-I-D-E-N-T-I-A-L

25X1

COUNTRY China

REPORT

SUBJECT Catalog of Communist Chinese
Steel Products

DATE DISTR. 22 May 1957

NO. PAGES 1

REQUIREMENT
NO. RD

REFERENCES

DATE OF
INFO.PLACE &
DATE ACQ.

25X1

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

25X1

A catalog put out by the China National Metals Import Corporation with the title, Hot Rolled Steel Bars and Sections - Chinese Steel Products, lists the following items, with diagrams and specifications:

- a. Mild steel round bars, diameters 5.5 to 150 mm.
- b. Mild steel deformed round bars (concrete reinforcing), diameters 9 to 38 mm.
- c. Mild steel square bars, flange width 9 to 120 mm.
- d. Mild steel deformed square bars (concrete reinforcing), flange width 9 to 32 mm.
- e. Mild steel flat bars, width 25 to 127 mm.
- f. Mild steel equal angles, width of flange 25 to 200 mm.
- g. Mild steel unequal angles, width of long flange 60 to 200 mm., width of short flange 40 to 120 mm.
- h. Mild steel I-beams, height of beam 120 to 400 mm., width of flange 74 to 146 mm.
- i. Mild steel channels, height of channel 80 to 300 mm., length of flange 43 to 89 mm.
- j. Mild steel thin plates, thickness from 0.6 to 3.2 mm., widths from 610 to 900 mm., and lengths from 950 to 1,830 mm.

The catalog described above (12 pages, in English and Chinese) is not classified when detached from this report.

25X1

25X1

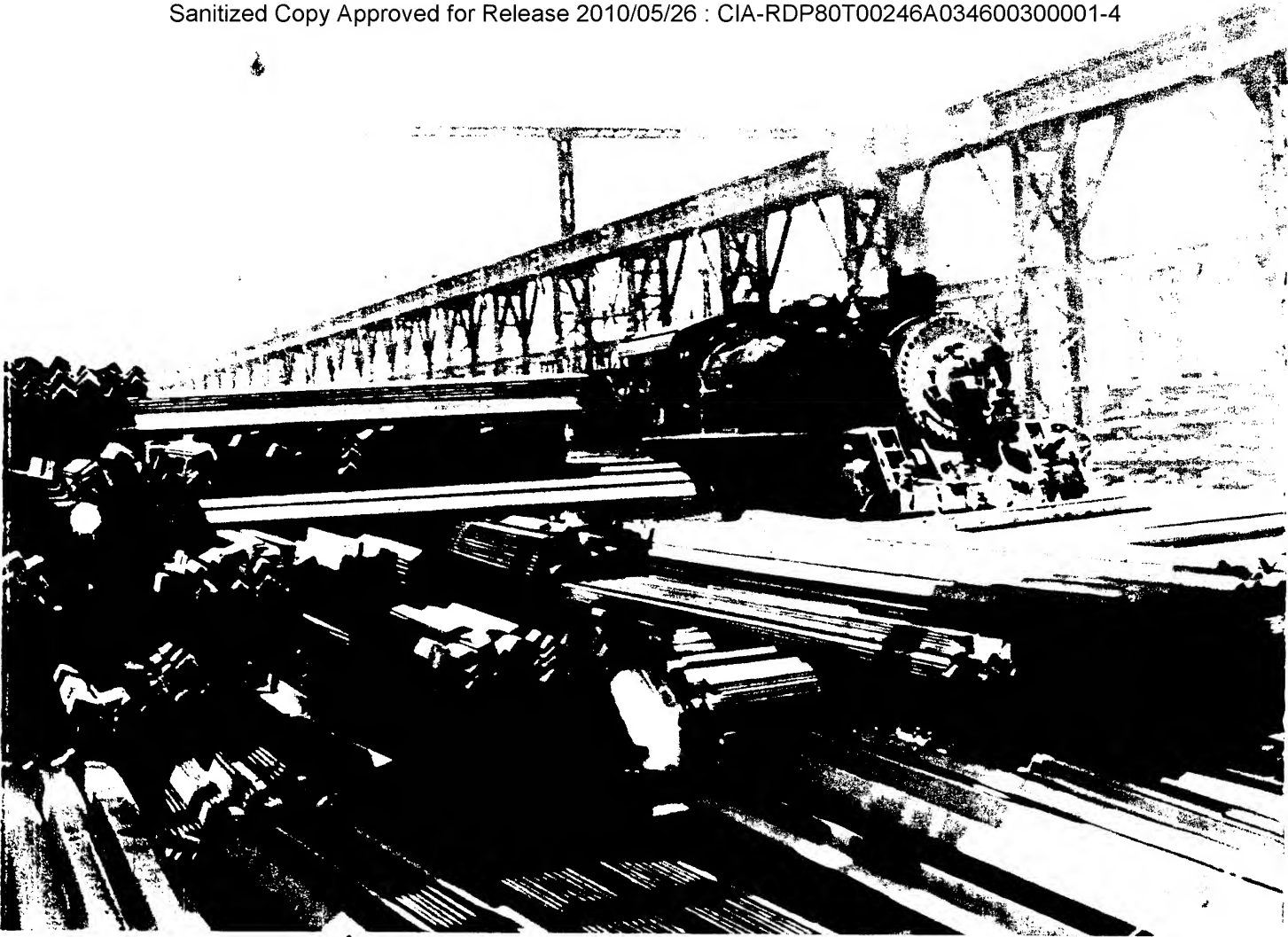
C-O-N-F-I-D-E-N-T-I-A-L

25X1

STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC					
(Notes: Washington distribution indicated by "X"; Field distribution by "#")															

25X1

INFORMATION REPORT INFORMATION REPORT



中國各種型鋼產品

HOT ROLLED STEEL BARS AND SECTIONS

CHINESE STEEL PRODUCTS

中國五金進口公司經營

CHINA NATIONAL METALS IMPORT CORPORATION

IMPORT AND EXPORT

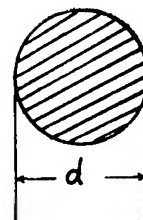


25X1

中國五金進口公司經營

圓 鋼

Mild Steel Round Bars



直 徑 (公厘) Diameter mm.	斷面積(平方公厘) Sectional Area mm ²	重量 (公斤/公尺) Weight Kg/M.	長 度 (公尺) Length M.	備 註 Remarks
5.5	23.75	0.1874	100-200	按捲供應 in Coils
6	28.27	0.2220	"	"
6.5	33.17	0.2604	"	"
8	50.25	0.3945	20-40	"
9	63.62	0.4990	5-10	"
10	78.54	0.6170	"	
12	113.10	0.8880	"	
16	201.10	1.5800	"	
19	283.50	2.2300	"	
22	380.18	2.9800	"	
25	490.90	3.8500	"	
28	615.83	4.8340	4-9	
32	804.25	6.3100	"	
35	962.11	7.553	"	
36	1017.88	7.990	"	
38	1134.00	8.903	"	
40	1256.30	9.865	"	
44	1520.53	11.936	"	
45	1590.43	12.485	"	
50	1963.49	15.413	"	
55	2375.82	18.650	4-7	
60	2847.44	22.195	"	
65	3318.00	26.049	"	
70	3848.46	30.210	"	
75	4417.86	34.680	"	
80	5026.54	39.458	"	
85	5676.20	44.574	"	
90	6361.74	49.940	"	
100	7854.00	61.654	"	
110	9503.34	74.601	"	
120	11309.76	88.782	3-6	
125	12148.59	97.721	"	
130	13273.26	104.195	"	
140	15393.84	120.842	"	
150	17678.57	138.770	"	

直徑公差: 5.5-25公厘者±0.5公厘

28公厘及以上者±0.75公厘 ±2.0公厘

長度公差: +75至+100公厘

品質: 抗拉力38-47公斤/平方公厘

延伸率(短試樣) 27-25%以上

8公厘以下及40公厘以上者祇保證化學成份(%)。

炭0.09-0.22, 錳0.35-0.65,

硫不大於0.055, 磷不大於0.050

定尺長度的訂貨, 須先行協議交貨時允許有10%的短尺, 但不短於2.5公尺。

Tolerance for Diameter:

5.5-25 mm. ±0.5 mm.

28 mm. and above ± 0.75 mm. ±2.0 mm.

Tolerance for Length: +75 mm. up to +100 mm.

Quality: Ult. Tensile Strength: 38-47 kg./mm²

Elongation (L=5d): 27-25% min.

For Rounds with diameters under 8 mm.

and over 40 mm. only chemical composition

is guaranteed: C 0.09-0.22% Mn 0.35-0.65%

Si with trace S ≤ 0.055% P. ≤ 0.050%

Exact length subject to prior arrangement, but delivery of 10% shorter pieces minimum 2.5 meters is allowed

China National Metals Import Corporation
Import and Export



圓 竹 節 鋼

Mild Steel Deformed Round Bars (Concrete Reinforcing)

公 稱 尺 寸 (公 厘) Nominal Dimensions mm.	重 量 公 斤 / 公 尺 Weight Kg./M.	長 度 (公 尺) Length M.	備 註 Remarks
9	0.50	5—10	
10	0.62	"	
12	0.89	"	
16	1.58	"	
19	2.25	"	
22	2.98	"	
25	3.85	"	
28	4.83	4—9	
32	6.31	"	
36	7.99	"	
38	8.90	"	

重量公差: 9至10公厘者±10%
12公厘及以上者±6%

品 質: 1.保證機械性能者:
抗拉力38—47公斤 / 平方公厘,
延伸率(短試樣)27—25%以上;

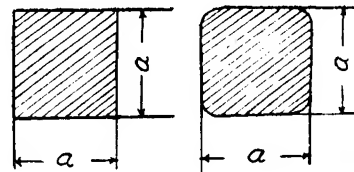
或 2.保證化學性能者: (%)
炭0.09—0.22, 錳0.35—0.65,
矽痕跡, 硫不大於0.055,
磷不大於0.050。

Tolerance for Weight: 9—10 mm: ±10%
12 mm. and above: ±6%

Quality guaranteed:
Mechanical Properties:
Ult. Tensile strength 38—47 kg/mm²
Elongation (L=5d): 27—25% min.
or alternatively
Chemical Composition (%)
C 0.09—0.22, Mn 0.35—0.65,
Si with trace, S ≤ 0.055,
P ≤ 0.050.

中國五金進口公司經營

方 鋼
Mild Steel Square Bars



邊 寬 (公厘) Flange Width mm.	斷面積 (平方公厘) Sectional Area mm ²	重量 (公斤/公尺) Weight Kg./M.	長 度 (公尺) Length M.	備 註 Remarks
9	81	0.64	4—9	
12	144	1.13	"	
16	256	2.01	"	
19	361	2.83	"	
22	484	3.80	"	
25	625	4.91	"	
28	784	6.15	"	
32	1024	8.04	"	
38	1444	11.30	"	
40	1600	12.56	"	
44	1936	15.20	"	
45	2025	15.90	"	
50	2500	19.63	4—7	
55	3025	23.75	"	
60	3600	28.26	"	
65	4225	33.16	"	
70	4900	38.46	"	
75	5625	44.16	"	
85	7225	56.72	"	
90	8100	63.35	"	
100	10000	78.20	"	
115	13225	103.40	3—6	
120	14400	112.60	"	

邊寬公差:

9—25公厘者±0.50公厘, 28公厘
及以上者±0.75公厘 ±2.0公厘

長度公差: +75至+100公厘

品 質: 抗拉力 38—47 公斤/平方公厘,
延伸率 (短試樣) 27—25%以上
邊寬在40公厘以上者祇保證化學成份(%):
炭 0.09—0.22, 錳 0.35—0.65, 矽痕跡,
硫不大於 0.055, 磷不大於 0.050

定尺長度的訂貨, 交貨時允許有 10% 的短尺, 但不
短於 2.5 公尺。

Tolerance for Flange Width:

9—25 mm. ± 0.50 mm.
28 mm. and above ± 0.75 mm. 至 ± 2.0 mm.

Tolerance for Length: +75 mm. up to +100 mm.

Quality: Ult. Tensile Strength: 38—47 kg./mm²

Elongation (L=5d): 27—25% min.

For Squares with flange width above
40 mm. only chemical composition is
guaranteed:

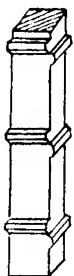
C 0.09—0.22%, Mn 0.35—0.65%

Si with trace

S ≤ 0.055%, P ≤ 0.050%

Exact length subject to prior arrangement but
delivery of 10% shorter pieces 2.5 meters mini-
mum is allowed.

China National Metals Import Corporation
Import and Export



方 竹 節 鋼

Mild Steel Deformed Square Bars (Concrete Reinforcing)

公稱尺寸 (公厘)	重量 (公斤 / 公尺)	長 度 (公尺)	備 註
Nominal Dimensions			
mm.	Weight Kg/M.	Length M.	Remarks
9	0.63	4 — 9	
10	0.78	//	
12	1.13	//	
16	2.01	//	
19	2.83	//	
22	3.80	//	
25	4.91	//	
28	6.15	//	
32	8.04	//	

重量公差: 9至10公厘者 $\pm 10\%$

12公厘及以上者 $\pm 6\%$

品 質: 1.保證機械性能者:

抗拉力 38—47 公斤/平方公厘

延伸率 (短試樣) 27—25%以上;

或 2.保證化學性能者: (%)

炭0.09—0.22, 錳0.35—0.65,

矽痕跡, 硫不大於0.055,

磷不大於0.050

Tolerance for Weight: 9—10 mm. $\pm 10\%$

12 mm. and above $\pm 6\%$

Quality guaranteed:

Mechanical Properties:

Ult. Tensile Strength: 38—47 Kg/mm²

Elongation (L=5 d): 27—25% min.

or alternatively

Chemical Composition (%)

C 0.09—0.22, Mn 0.35—0.65,

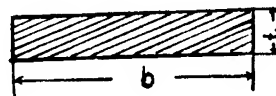
Si with trace, S ≤ 0.055 ,

P ≤ 0.050 .

中國五金進口公司經營

China National Metals Import Corporation

Import and Export

扁 鋼
Mild Steel Flat Bars

寬 度 (公厘) Width mm.	厚 度 (公 厘) Thickness mm.															
	4	5	6	7	8	9	10	12	14	16	18	20	22	25	30	32
	重 量 公斤/公尺 Weight Kg/M															
25	0.79	0.98	1.18	1.37	1.57	1.77	1.96	2.36								
30	0.94	1.18	1.41	1.65	1.88	2.12	2.36	2.88	3.30	3.34		5.46				
32			1.51													
35	1.10	1.37	1.65	1.92	2.20			3.30	3.85	4.40	4.65		6.04			
38			1.79			2.95										
40	1.26	1.57	1.88	2.20	2.51		3.13	3.77	4.40	5.02	5.65	6.28	6.91			
45	1.41	1.77	2.12	2.47	2.83			4.24	4.95	5.65	6.36	7.07	7.77	8.78		
50	1.57	1.96	2.36	2.75	3.14	3.51	3.92	4.71	5.50	6.28	7.07	7.85	8.64	9.81		
55		2.16	2.59	3.10	3.50	3.89		5.18	6.05	6.91	7.77	8.64				
60		2.36	2.83	3.30	3.80	4.24	4.71	5.65	6.59	7.54	8.48	9.42	10.36	11.77		
65		2.55	3.06	3.57	4.10	4.58	5.09	6.12	7.15	8.16	9.19	10.21				
70			3.84	4.40	4.94	5.48	6.59	7.70	8.79	9.89	10.21					
75		2.95	3.55	4.12	4.70	5.30	5.89	7.07	8.24	9.42	10.60	11.78	12.95	14.72		
80			4.33	5.05	5.65	6.26	7.52	8.80	10.03	10.62	12.48					
85									10.70	12.01						
90							7.05	8.46	9.90			14.04	15.50	17.55		
100					6.30		7.85	9.42	10.99	12.56	14.13	15.70	17.27	19.60	23.55	25.00
120							9.40									
127																31.90

寬度公差: $\pm 2\%$ 厚度公差: 自4至16公厘者 $\pm 2\%$,
16公厘以上者 $+2\%$
-4%。

Tolerance for Width: $\pm 2\%$

Tolerance for Thickness:

from 4 to 16 mm, $\pm 2\%$
16 mm and above $+2\%$
-4%

扁鋼應製成條形其長度: 每公尺重19公斤以下者:
自3至9公尺
每公尺重19公斤以上者:
自3至7公尺

Flats are in shape of bars with lengths as follows:
under 19kg/M from 3—9 meters
over 19kg/M from 3—7 meters

品質: 1.保證機械性能者:

抗拉力 38—47 公斤/平方公厘,
延伸率 (短試樣) 27—25% 以上

或 2.保證化學成份者: (%)

A. 平爐鋼: 炭0.07—0.22,
錳0.35—0.65
矽痕跡, 硫不大於0.055,
磷不大於0.050
B. 轉爐鋼: 炭不大於0.12,
錳0.25—0.55,
矽痕跡, 硫不大於0.065,
磷不大於0.085

Quality guaranteed:

Mechanical Properties:

Ult. Tensile Strength: 38—47 kg/mm²

Elongation (L = 5d) 27—25% min.

or alternatively:

Chemical Composition (%):

(a) Open-hearth process:

C 0.09—0.22 Mn 0.35—0.65

Si with trace S ≤ 0.055 , P ≤ 0.050

(b) Bessemer Process

C 0.12 Mn 0.25—0.55

Si with trace, S ≤ 0.065 , P ≤ 0.085

空白格中的尺寸如訂貨者需要可以協議。

Requirements for dimensions not included in the above table subject to prior arrangement.

中國五金進口公司經營

等邊角鋼 Mild Steel Equal Angles

b-邊寬 Width of Flange

 r_x, r_{x_0}, r_{y_0} 慣性半徑

d-邊厚 Thickness of Flange

Radius of Gyration

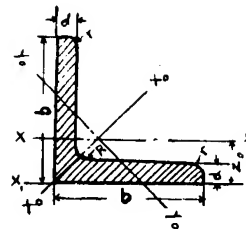
R-內面圓弧半徑 Radius of Root

r- 邊端圓弧半徑 Radius of Toe

 Z_0 —重心距離

Distance of Center Gravity

I- 慣性矩 Moment of Inertia



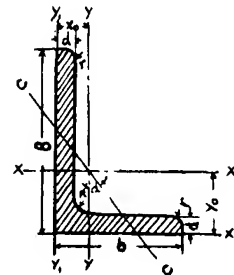
角鋼號數 Section No.	尺寸 (公厘) Size mm.				截面積 (公分 ²) Sectional area cm ²	每直線公尺 重量 (公斤) Weight per M Kg.	X-X		X ₀ -X ₀		Y ₀ -Y ₀		x ₁ -x ₁ I _{x1} cm ⁴	z ₀ cm.
	b	d	R	r			I _x cm ⁴	I _x cm.	I _{x0} Max. cm ⁴	r _{x0} Max. cm.	I _{y0} Min. cm ⁴	r _{y0} Min. cm.		
2.5	25	3	3.5	1.2	1.43	1.12	0.80	0.75	1.28	0.95	0.32	0.47	1.56	0.73
		4			1.86	1.46	1.02	0.74	1.63	0.94	0.41	0.47	2.12	0.77
3	30	4	4.5	1.5	2.27	1.78	1.82	0.90	2.90	1.13	0.75	0.58	3.62	0.89
3.5	35	4	4.5	1.5	2.67	2.10	3.02	1.06	4.77	1.34	1.27	0.69	5.74	1.01
		5			3.28	2.57	3.61	1.05	5.71	1.32	1.51	0.68	7.23	1.05
4	40	4	5.0	1.7	3.08	2.42	4.60	1.22	7.26	1.53	1.93	0.79	8.53	1.13
		5			3.79	2.97	5.54	1.21	8.75	1.52	2.34	0.78	10.70	1.17
		6			4.48	3.52	6.41	1.20	10.10	1.50	2.70	0.78	13.00	1.21
4.5	45	4	5.0	1.7	3.48	2.73	6.60	1.38	10.50	1.74	2.68	0.88	12.10	1.26
		5			4.29	3.37	8.00	1.37	12.70	1.72	3.26	0.87	15.30	1.30
		6			5.08	3.99	9.29	1.35	14.80	1.71	3.78	0.86	18.40	1.34
5	50	5	5.5	1.8	4.80	3.77	11.2	1.53	17.8	1.92	4.61	0.98	20.9	1.42
		6			5.69	4.47	13.1	1.52	20.7	1.91	5.39	0.97	25.2	1.46
6	60	5	6.5	2.2	5.82	4.57	19.9	1.85	31.4	2.32	8.29	1.19	35.9	1.66
		6			6.91	5.42	23.3	1.84	36.8	2.31	9.76	1.19	43.3	1.70
		8			9.03	7.09	29.6	1.81	46.8	2.28	12.4	1.17	58.2	1.78
6.5	65	6	8.0	2.7	7.55	5.93	29.8	1.98	47.2	2.50	12.3	1.28	54.8	1.82
		8			9.87	7.75	38.1	1.96	60.3	2.48	15.8	1.27	73.7	1.90
		10			12.10	9.51	45.4	1.94	72.0	2.44	18.8	1.25	92.9	1.98
7.5	75	6	9.0	3.0	8.78	6.89	46.7	2.31	73.3	2.89	20.1	1.51	83.9	2.06
		8			11.50	9.03	60.1	2.28	94.9	2.87	25.3	1.48	113	2.14
		10			14.10	11.10	72.2	2.26	114	2.84	30.3	1.47	142	2.22
		12			16.70	13.10	83.3	2.24	132	2.81	34.9	1.45	172	2.30
8	80	6	9.0	3.0	9.38	7.36	57.0	2.47	90	3.11	23.5	1.58	102	2.19
		8			12.3	9.66	73.3	2.44	116	3.07	30.3	1.57	137	2.27
		10			15.1	11.9	88.4	2.42	140	3.05	36.5	1.56	172	2.35

中國五金進口公司經營

不等邊角鋼

Mild Steel Unequal Angles

B-長邊寬度 Width of long Flange I-慣性矩 Moment of Inertia
 b-短邊寬度 Width of short Flange r Min. r_x , r_y 慣性半徑
 d-邊厚 Thickness of Flange Radius of Gyration
 R-內面圓弧半徑 Radius of Root X_o , Y_o 重心距離
 r-邊端圓弧半徑 Radius of Toe Distance of center gravity



角鋼 號數 Section No.	尺寸 (公厘) Size mm.					截面面積 公分 ² Sectional area cm ²	每直線 公尺重 量(公斤) Per M. kg.	X-X		Y-Y		X_1-X_1		Y_1-Y_1		C-C		
	B	b	d	R	r			I_x	r_x	I_y	r_y	I_{x_1}	Y_o	I_{y_1}	X_o	I_c	r min	$\tan \angle$
6/4	60	40	6	7.0	2.3	5.72	4.49	20.3	1.88	7.20	1.12	43.1	2.0	13.1	1.01	4.20	0.86	0.430
			8			7.44	5.84	25.8	1.86	9.04	1.10	57.9	2.08	17.9	1.09	5.39	0.85	0.420
7.5/5	75	50	6	8.0	2.7	7.25	5.69	41.0	2.37	14.6	1.42	84.0	2.44	25.3	1.21	8.48	1.08	0.434
			8			9.47	7.43	52.4	2.35	18.6	1.40	113	2.52	34.3	1.29	10.9	1.07	0.428
			10			11.6	9.11	63.0	2.33	22.1	1.38	141	2.60	43.7	1.36	13.2	1.07	0.423
9/6	90	60	6	9	3	8.78	6.90	72.4	2.87	26.0	1.72	145	2.88	43.4	1.41	14.7	1.30	0.437
			8			11.5	9.08	93.2	2.85	33.2	1.70	194	2.96	58.6	1.49	19.3	1.29	0.433
			10			14.1	11.10	113	2.82	39.8	1.68	244	3.05	74.4	1.56	23.5	1.29	0.429
10/7.5	100	75	8	10	3.3	13.5	10.6	135	3.16	65.0	2.19	266	3.11	113	1.88	35.4	1.62	0.548
			10			16.7	13.1	163	3.13	78.5	2.17	333	3.20	143	1.96	42.6	1.60	0.545
13/9	130	90	8	12	4.0	17.2	13.5	297	4.15	118	2.62	583	4.08	195	2.11	66.5	1.97	0.471
			10			21.3	16.7	362	4.12	143	2.59	731	4.16	245	2.19	81.4	1.95	0.469
			12			25.2	19.8	424	4.10	167	2.57	879	4.25	297	2.27	94.8	1.94	0.467
			14			29.1	22.8	484	4.08	189	2.55	1028	4.33	349	2.35	109	1.93	0.464

China National Metals Import Corporation

Import and Export

角鋼 號數 Section No.	尺寸 (公厘) Size mm.					截面面 積公分 ² Sectional area cm ²	每直線 公尺重 量(公斤) Per M. kg.	X - X		Y - Y		X ₁ - X ₁		Y ₁ - Y ₁		C - C			
	B	b	d	R	r			I _x	r _x	I _y	r _y	I _{x₁}	Y _o	I _{y₁}	X _o	I _c	r	min	tan α
15/10	150	100	10	13.4	3	24.3	19.1	557	4.78	201	2.87	1120	4.81	335	2.35	115	2.18	0.439	
			12			28.8	22.6	655	4.76	235	2.85	1317	4.90	405	2.43	137	2.18	0.437	
			14			33.3	26.2	749	4.73	267	2.83	1575	4.98	476	2.51	156	2.16	0.434	
			16			37.7	29.6	839	4.71	297	2.81	1804	5.06	549	2.59	175	2.15	0.430	
20/12	200	120	12	14.4	7	37.3	29.2	1546	6.45	428	3.39	3188	6.64	696	2.68	259	2.64	0.364	
			14			43.2	33.9	1776	6.42	489	3.36	3725	6.72	818	2.76	295	2.61	0.362	
			16			49.0	38.4	1997	6.38	547	3.34	4264	6.80	941	2.84	331	2.60	0.360	

邊寬及邊厚公差 Tolerance on Width and Thickness of the Flange.

角 鋼 號 數 Section No.	邊寬公差 (公厘) Tolerance for Width mm.	邊厚公差 (公厘) Tolerance for Thickness mm.
6/4 - 9/6	± 1.5	+ 0.5 - 0.7
10/7.5 - 15/10	± 2.0	± 0.8
20/12	± 4.0	± 1.0

長度:

Length:

號數 6/4 - 9/6 自 4 至 12 公尺
 " " 10/7.5 - 15/10 自 4 至 19 公尺
 " " 20/12 自 6 至 19 公尺

Section No. : 6/4-9/6 from 4-12 meters
 10/7.5-15/10 from 4-19 "
 20/12 from 6-19 "

一般供應 4000 至 9000 公厘

Normal Length: 4000-9000 mm.

定尺長度之允許偏差:
 4 公尺及以下者 +50 公厘
 4 公尺以上 +100 公厘

Tolerance for Exact length:
 up to 4 meters + 50 mm.
 over 4 meters + 100 mm.

品質: 抗拉力 38-47 公斤/平方公厘

Quality: Ult. Tensile strength 38-47 kg/mm²

延伸率 (短試樣) 27-25% 以上

Elongation (L=5d): 27-25% min.

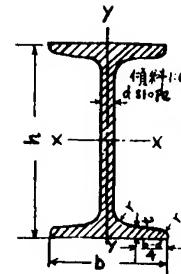
定尺長度的訂貨須先行協議, 交貨時允許有 10% 的短尺, 但不短於 2.5 公尺

Exact length subject to prior arrangement but delivery of 10% shorter pieces, 2.5 meters minimum is allowed.

中國五金進口公司經營

工 字 鋼 Mild Steel I-Beams

h-高 Height of Beam r_1 -端弧半徑 Radius of Toe
b-翼寬 Width of Flange I-慣性矩 Moment of Inertia
d-腹厚 Thickness of Web w-斷面模數 Section Modulus
t-翼平均厚度 i-慣性半徑 Radius of Gyration
Average Flange Thickness S-半斷面之靜力矩 Static Moment of half-section.
r-內弧半徑 Radius of Root



工 字 鋼 號 數 Section No.	尺 寸 (公厘) Dimensions mm.						斷面積 (公分 ²) Section- al Area cm ²	每公尺重 量(公斤) Wt. Kg/M.	X - X				Y - Y			
	h	b	d	t	r	r ₁			I _x cm ⁴	w _x cm ³	i _x cm.	I _x :S _x	I _y cm ⁴	w _y cm ³	i _y cm.	
12	120	74	5.0	8.4	7.0	3.5	17.8	14.0	436	72.7	4.95	10.3	46.9	12.7	1.62	
20	a	200	100	7.0	11.4	9.0	4.5	35.5	27.9	2370	237	8.15	17.2	158	31.5	2.12
	b	200	102	9.0	11.4	9.0	4.5	39.5	31.1	2500	250	7.96	16.9	169	33.1	2.06
a	300	126	9.0	14.4	11.0	5.5	61.2	48.0	8950	597	12.1	25.7	400	63.5	2.55	
30 b	300	128	11.0	14.4	11.0	5.5	67.2	52.7	9400	627	11.8	25.4	422	65.9	2.50	
c	300	130	13.0	14.4	11.0	5.5	73.4	57.4	9850	657	11.6	25.0	445	68.5	2.46	
a	400	142	10.5	16.5	12.5	6.3	86.1	67.6	21720	1090	15.9	34.1	660	93.2	2.77	
40 b	400	144	12.5	16.5	12.5	6.3	94.1	73.8	22780	1140	15.6	33.6	692	96.2	2.71	
c	400	146	14.5	16.5	12.5	6.3	102	80.1	23850	1190	15.2	33.2	727	99.6	2.65	

尺寸公差: (公厘) Tolerance for Dimensions mm.			
工 字 鋼 號 數 Section No.	高 Height	翼 寬 Flange Width	腹 厚 Web Thickness
12	± 2.0	+ 1.0	+ 0.40
		- 1.5	- 0.60
20, 30	± 3.0	+ 1.7	+ 0.50
		- 2.3	- 1.00
40	± 4.0	+ 2.2	+ 0.7
		- 3.0	- 1.2

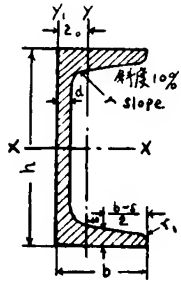
定尺長度之公差: Tolerance for Exact length:	
6 公尺及以下者 + 50公厘	6 meters and below + 50 mm.
6 公尺以上 + 100公厘	above 6 meters +100 mm.

長度: 6000—19000公厘
 一般長度為 6000—9000公厘
 品質: 抗拉力38—47公斤/平方公厘
 延伸率(短試樣) 27—25%以上

Length: 6000—19000 mm.
 Normal length: 6000—9000 mm.
 Quality: Ult. Tensile Strength: 38—47 kg/mm²
 Elongation (L=5d) 27—25% min.

China National Metals Import Corporation

Import and Export



槽 鋼

Mild Steel Channels

h — 高度 Height of Channel
 b — 腿長 Length of Flange
 d — 腹厚 Thickness of Web
 t — 平均腿厚 Average Flange Thickness
 r — 內弧半徑 Radius of Root
 r₁ — 端弧半徑 Radius of Toe

I — 慣性矩 Moment of Inertia
 w — 斷面模數 Section Modulus
 i — 慣性半徑 Radius of Gyration

y-y 及 y₁-y₁ 兩軸線間之距離
 Z₀ — Distance between the Axis
 y-y and y₁-y₁

槽鋼號數	尺 寸 (公厘) Dimensions mm.						斷面面積 (公分 ²)	每公尺重 量(公斤)	X — X			Y — Y			Y ₁ -Y ₁	Z ₀	
Section No.	h	b	d	t	r	r ₁	Section - al Area cm ²	Wt. kg/M.	w _x cm ³	I _x cm ⁴	i _x cm	w _y cm ³	I _y cm ⁴	i _y cm.	I _{y1} cm ⁴	cm	
8	80	43	5.0	8.0	8.0	4.00	10.24	8.04	25.3	101.3	3.15	5.79	16.6	1.27	37.4	1.43	
10	100	48	5.3	8.5	8.5	4.25	12.74	10.00	39.7	198.3	3.95	7.80	25.6	1.41	54.9	1.52	
12	120	53	5.5	9.0	9.0	4.50	15.36	12.06	57.7	346.3	4.75	10.17	37.4	1.56	77.7	1.62	
14	a	140	58	6.0	9.5	9.5	4.75	18.51	14.53	80.5	563.7	5.52	13.01	53.2	1.70	107.1	1.71
	b	140	60	8.0	9.5	9.5	4.75	21.31	16.73	87.1	609.4	5.35	14.12	61.1	1.69	120.6	1.67
16	a	160	63	6.5	10.0	10.0	5.00	21.95	17.23	108.3	866.2	6.28	16.30	73.3	1.83	144.1	1.80
	b	160	65	8.5	10.0	10.0	5.00	25.15	19.74	116.8	931.5	6.10	17.55	83.4	1.82	160.8	1.75
18	a	180	68	7.0	10.5	10.5	5.25	25.69	20.17	141.4	1272.7	7.04	20.03	98.6	1.96	189.7	1.88
	b	180	70	9.0	10.5	10.5	5.25	29.29	22.99	152.2	1369.9	6.84	21.52	111.0	1.95	210.1	1.84
20	a	200	73	7.0	11.0	11.0	5.50	28.83	22.63	178.0	1780.4	7.86	24.20	128.0	2.11	244.0	2.01
	b	200	75	9.0	11.0	11.0	5.50	32.83	25.77	191.4	1913.7	7.64	25.88	143.6	2.09	268.4	1.95
24	a	240	78	7.0	12.0	12.0	6.00	34.21	26.55	254.3	3052.2	9.45	30.47	173.8	2.25	324.6	2.10
	b	240	80	9.0	12.0	12.0	6.00	39.00	30.62	273.5	3282.6	9.17	32.51	194.1	2.23	354.8	2.03
	c	240	82	11.0	12.0	12.0	6.00	43.81	34.39	292.7	3513.0	8.96	34.42	213.4	2.21	388.1	2.00
30	a	300	85	7.5	13.5	13.5	6.75	43.89	34.45	403.2	6047.9	11.72	41.10	259.5	2.43	466.5	2.17
	b	300	87	9.5	13.5	13.5	6.75	49.59	39.16	433.2	6497.9	11.41	44.03	289.2	2.41	515.2	2.13
	c	300	89	11.5	13.5	13.5	6.75	55.89	43.81	463.2	6947.9	11.15	46.38	315.8	2.38	559.7	2.09

長度: 6至19公尺, 一般供應者為 6至 9公尺

Length: 6-19 meters Normal length: 6-9 meters

長度公差: 長 6公尺及以下者: +50公厘

Tolerance for Length:

6 meters and below: +50 mm.

長 6公尺以上者: +100公厘

above 6 meters: +100 mm.

品質: 抗拉力 38-47公斤/平方公厘

Quality: Ult. Tensile Strength: 38-47 kg/mm²

延伸率 (短試樣) 27-25%以上

Elongation (L=5d): 27-25% min.

尺寸公差: (公厘)	Tolerance for Dimensions mm.		
槽鋼號數 Section No.	高 Height	腿長 Length of Flange	腹厚 Web Thickness
8	± 1.5	± 1.2	+ 0.3 - 0.5
10-14	± 2.0	± 1.5	+ 0.40 - 0.60
16-18	± 2.0	± 2.0	+ 0.50 - 0.70
20-30	± 3.0	± 2.0	+ 0.50 - 0.90

中國五金進口公司經營

China National Metals Import Corporation
Import and Export

薄 鋼 板

Mild Steel Thin Plates

厚度(公厘) Thickness m/m	寬度(公厘) Width m/m	長 度(公厘) Length m/m	重 量 (公斤/張) Weight Kg/sheet	公 差 Tolerance on:		
				厚度(公厘) Thickness m/m	寬度(公厘) Width m/m	長度(公厘) Length m/m
0.6	750	1830	6.588	±0.08	+ 6	+15
1.0	610	1550	7.564	±0.12	"	"
"	710	1530	8.090	"	"	"
"	750	1830	10.980	"	"	"
"	900	1800	12.960	"	+10	"
1.1	710	1530	9.550	"	+ 6	"
"	900	1800	14.250	"	+10	"
1.2	610	1830	10.720	±0.13	+ 6	"
"	710	1530	10.420	"	"	"
"	750	1830	13.176	"	"	"
"	900	1800	15.570	"	+10	"
1.3	710	1530	11.330	"	+ 6	"
"	900	1800	16.820	"	+10	"
1.4	710	1530	12.170	±0.15	+ 6	"
"	900	1800	18.150	"	+10	"
1.5	610	1830	13.020	"	+ 6	"
"	710	1530	13.460	"	"	"
"	750	1500	13.340	"	"	+10
"	900	1800	19.450	"	+10	+15
1.7	610	1830	15.182	±0.16	+ 6	"
1.75	710	1530	15.200	"	"	"
"	900	1800	22.620	"	+10	"
2.0	610	1530	14.933	±0.18	+ 6	"
"	710	"	17.380	"	"	"
"	750	1500	17.950	"	"	+10
"	900	1800	25.920	"	+10	+15
2.3	610	1320	14.816	±0.20	+ 6	+10
2.5	750	1400		"	"	"
2.6	610	1170	14.845	"	"	"
3	"	1020	14.933	±0.22	"	"
"	750	1150		"	"	"
3.2	610	950	14.835	±0.25	"	"

薄鋼板的化學成份:

炭0.09—0.22%, 錳0.35—0.65%
硫不大於0.050%, 磷不大於0.055%

薄鋼板之重量:

每平方公尺每一公厘厚按 8 K G 計算。

Chemical Composition:

C 0.09-0.22% Mn 0.35-0.65%
P ≤0.050% S ≤0.055%

Calculated weight:

One square meter with thickness of 1
m/m weighing 8 kilos.

中國金屬進口公司

地址：北京，東長安街二號

電報號碼：北京 CHIMETALS

分支機構

天津分公司

地址：天津，廣東路一號

電報號碼：天津 CHIMETALS

廣州分公司

地址：廣州，大新街一五號

電報號碼：廣州 CHIMETALS

上海分公司

地址：上海，中法大馬路一五號

電報號碼：上海 CHIMETALS

青島分公司

地址：青島，中山路一五號

電報號碼：青島 CHIMETALS

HEAD

CHINA NATIONAL METALS IMPORT CORPORATION

Chang An Street, Beijing, China

Telegrams "CHIMETALS" Peking

LOCAL OFFICES

CHINA OFFICE

Chungking Street, Hong Kong, China

Telegrams "CHINA" Hong Kong

CANTON OFFICE

25, Tai Ping Street, Canton, China

Telegrams "CANTON" Canton

CHINA OFFICE

25, Tai Ping Street, Canton, China

Telegrams "CHINA" Canton

CHINA OFFICE

25, Tai Ping Street, Canton, China

Telegrams "CHINA" Canton

CHINA OFFICE

25, Tai Ping Street, Canton, China

Telegrams "CHINA" Canton